



# *Federal Democratic Republic of Ethiopia*

## 👉 EDICT OF GOVERNMENT 👈

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ET ISO 6512 (1982) (English): Building  
construction -- Modular coordination --  
Storey heights and room heights

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**ISO INSIDE**  
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# ETHIOPIAN STANDARD

**ES ISO 6512:2012**

**First edition**

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**ICS: 91.060.10**

Published by Ethiopian Standards Agency  
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## **Foreword**

This Ethiopian Standard has been prepared under the direction of the Technical Committee for Building structures and elements of building (TC 42) and published by the Ethiopian Standards Agency (ESA).

The standard is identical with ISO 6512 Building construction - Modular coordination - Storey heights and room heights published by International organization for standardization(ISO).

For the purpose of this Ethiopian Standard , the adopted text shall be modified as follows.

- The phrase “International Standard” shall be read as “Ethiopian Standard”; and
- A full stop (.) shall substitute comma (,) as decimal marker.

# Building construction — Modular coordination — Storey heights and room heights

## 0 Introduction

This International Standard gives rules for determining the sizes of vertical modular dimensions in buildings. Accepting the fact that, unless floor thickness is fully modular, storey height and room height cannot both be modular, this standard establishes the storey height as the generally preferred vertical modular dimension.

Room heights may be preferred under certain circumstances as may occur for example in single storey construction.

## 1 Scope and field of application

This International Standard specifies sizes of modular storey heights and modular room heights for all types of building in accordance with the principles and rules of modular coordination as laid down in ISO 2848 and ISO 6511.

## 2 References

ISO 1006, *Building construction — Modular coordination — Basic module*.

ISO 1791, *Building construction — Modular coordination — Vocabulary*.

ISO 2848, *Building construction — Modular coordination — Principles and rules*.

ISO 6511, *Building construction — Modular coordination — Modular floor plane for vertical dimensions*.

## 3 Definitions

The following definitions are specific to this International Standard and are not covered in ISO 1791.

**3.1 modular storey height** : Vertical dimension between two modular floor planes<sup>1)</sup> of two consecutive floors.

**3.2 modular room height** : Vertical dimension within one storey between the modular plane of the upper surface of floor covering and the modular plane of the finished ceiling.

**3.3 modular floor height** : Vertical dimension of the modular floor zone between the modular plane of the upper surface of floor covering and the modular plane of the finished ceiling.

## 4 Specifications

**4.1** The modular storey height and the modular room height shall be chosen from the following modular sizes :

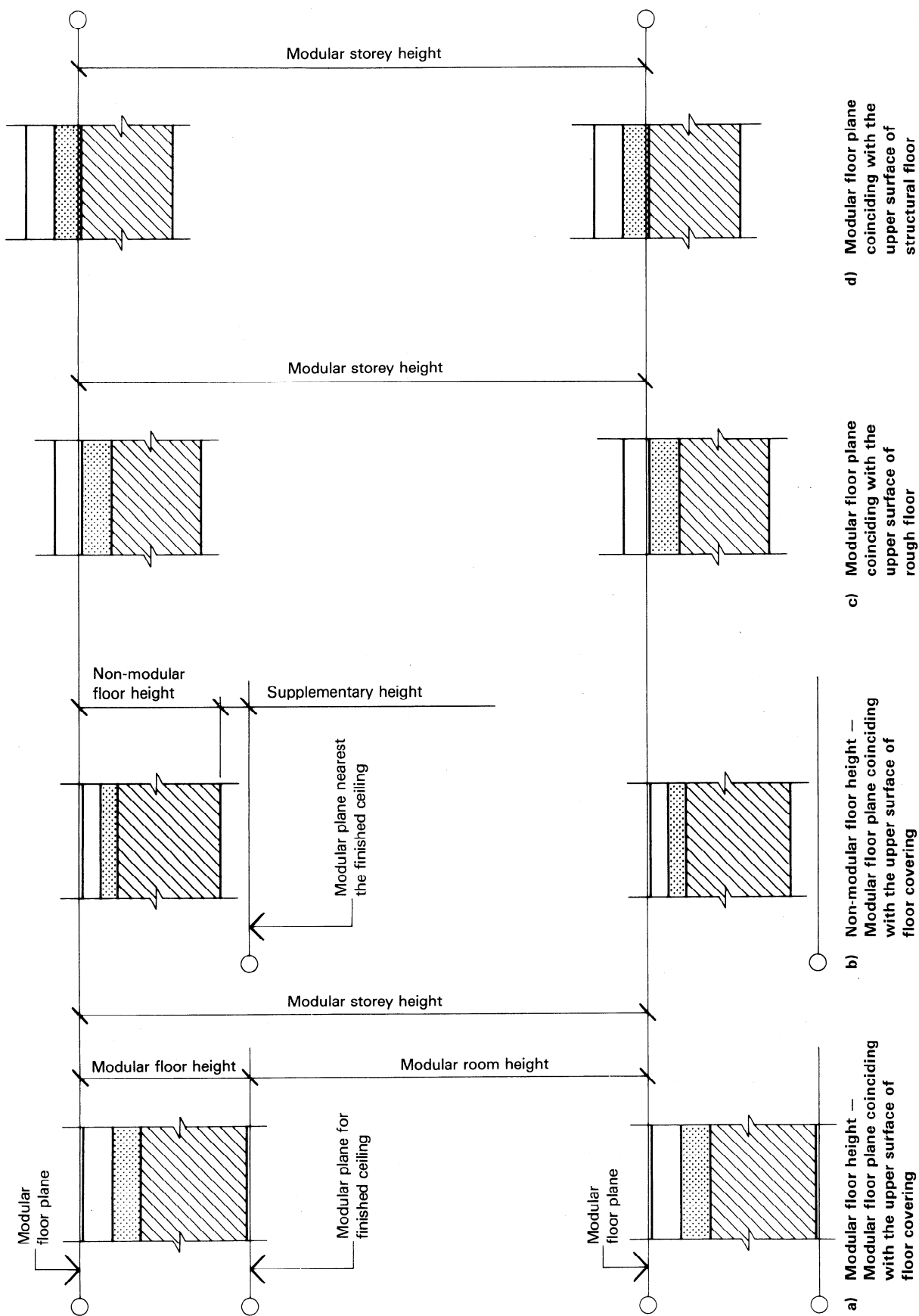
- up to 36 M<sup>2)</sup> : 1 M increment step
- from 36 M to 48 M : 3 M increment step
- above 48 M : 6 M increment step

**4.2** The modular storey height combined with the modular floor height determines the modular room height when the modular floor plane coincides with the upper surface of floor covering [see figure, a)]. As the modular floor height (according to the type of building system, construction, span, etc.) may have any modular value from 2 M and upwards, the standard series for modular storey heights given above correspond to an increased series of modular room heights with 1 M increments.

In the figure, a), b), c) and d) illustrate the situation at different positions of the modular floor plane according to ISO 6511.

1) Modular floor plane : see ISO 6511.

2) See ISO 1006 : 1 M = 100 mm.



Figure



## Organization and Objectives

The Ethiopian Standards Agency (ESA) is the national standards body of Ethiopia established in 2010 based on regulation No. 193/2010. ESA is established due to the restructuring of Quality and Standards Authority of Ethiopia (QSAE) which was established in 1970.

### ESA's objectives are:-

- ❖ Develop Ethiopian standards and establish a system that enable to check weather goods and services are in compliance with the required standards,
- ❖ Facilitate the country's technology transfer through the use of standards,
- ❖ Develop national standards for local products and services so as to make them competitive in the international market.

## Ethiopian Standards

The Ethiopian Standards are developed by national technical committees which are composed of different stakeholders consisting of educational Institutions, research institutes, government organizations, certification, inspection, and testing organizations, regulatory bodies, consumer association etc. The requirements and/or recommendations contained in Ethiopian Standards are consensus based that reflects the interest of the TC representatives and also of comments received from the public and other sources. Ethiopian Standards are approved by the National Standardization Council and are kept under continuous review after publication and updated regularly to take account of latest scientific and technological changes.

Orders for all Ethiopian Standards, International Standard and ASTM standards, including electronic versions, should be addressed to the Documentation and Publication Team at the Head office and Branch (Liaisons) offices. A catalogue of Ethiopian Standards is also available freely and can be accessed in from our website.

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### International Involvement

ESA, representing Ethiopia, is a member of the International Organization for Standardization (ISO), and Codex Alimentarius Commission (CODEX). It also maintains close working relations with the international Electro-technical Commission (IEC) and American Society for Testing and Materials (ASTM). It is a founding member of the African Regional Organization for standardization (ARSO).

### More Information?

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